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	Application Number	10/602,517	
	Filing Date	06/24/2003	
	First Named Inventor	Jack Chen	
	Group Art Unit		
	Examiner Name		
Total Number of Pages in This Submission	4+ref	Attorney Docket Number	M311

ENCLOSURES (check all that apply)

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Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Robert L. Marsh
Signature	
Date	May 27, 2004

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PTO/SB/08A (10-01)

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Substitute for form 1449A/PTO				Complete If Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Application Number	10/602,517
				Filing Date	06/24/2003
				First Named Inventor	Jack Chen
				Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	M311.

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)			

Examiner Signature		Date Considered
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of : Jack Chen
Serial No. : 10/602,517
Filed on : June 24, 2003
For : Device for Measuring the Volume
of Fluid in a Tank
Examiner :
Group Art :
Attorney Docket Number : M311

INFORMATION DISCLOSURE

Assistant Commissioner for
Patents
Washington, DC 20231

Sir:

If any additional charges or fees must be paid in connection with this communication, they may be paid out of our deposit account No. 50-0783.

Siegele, US Patent no. 5,711,354 issued January 27, 1998 discloses a device for measuring the amount of high purity chemical in a tank. The device includes a shaft 28 that extends into the liquid and contains therein one or more magnetically operated switches and a float 24 which moves vertically along the shaft 28. The operation of the device is described in column 13 line 27 through column 14 line 13.

Gonze, US Patent no. 4,782,699 issued November 8, 1988 discloses a device for measuring the amount of corrosive fuel in a fuel tank. It includes a pulse generator generating a pulse, which is applied to a resistance detector for a small fraction of a second, the pulse is generated once a second. By generating pulses, the deterioration

to the electronic parts caused by the combination of the fuel and the electrical charge is reduced.

Howeth, US Patent no. 4,554,494 issued November 19, 1985 discloses a fuel detector having a float that encircles a vertically oriented housing in the tank. A magnet is mounted on the float and the elevation of the magnet is detected by a Hall effect switch vertically moveable within the housing.

Bachman, US Patent no. 3,826,139 issued July 30, 1974 discloses a liquid level indicating device which includes a vertical member extending into the tank and a float. The device includes a plurality of detectors, each of which is positioned at a different level in the tank. Each of the detectors includes a float having a magnet therein and a detector to detect when the float and magnet are lifted upward by the level of the liquid.

Dumery US Patent no. 4,466,284 issued August 21, 1984 discloses a detector for detecting the volume of liquid in a tank comprising a plurality of spaced Hall effect sensors in a column, with a separate circuit to each of the Hall effect sensors. An annular float is fitted to slideable move vertically around a shaft containing the Hall effect sensors and magnets in the float trigger the sensors as the float moves vertically along the vertical shaft.

Chen, US Patent no. 6,369,690 B1 issued April 9, 2002 discloses an improved resistor card for use in a potentiometer for measuring the amount of liquid in a fuel tank.

Respectfully submitted,



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